

## SEQUENCE LISTING

### **SEQ ID NO:1**

human IRAK-4 amino acid sequence

5 MNKPITPSTYVRCLNVGLIRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHRRF  
EALLQTGKSPTSELLFDWGTTNCTAGDLVDLLIQNEFFAPASLLLPDAVPKTANT  
LPSKEAITVQQKQMPFCDKDRTLMTVPQNLEQSYMPPDSSSPENKSLEVSDTRFH  
SFSFYELKNVTNNFDERPISVGGNKMGEFGVYKGYVNNTTVAVKKLAAMV  
DITTEELKQQFDQEIKVMAKCQHENLVELLGFSSDGDDLCLVYVYMPNGSLLDR  
10 LSCLDGTPLSWHMRCKIAQGAANGINFLHENHHIHRDIKSANILLDEAFTAKISD  
FGLARASEKFAQTVMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLEIITGLPA  
VDEHREPQLLLDIKEEIEDEEKTIEDYIDKKMNDADSTSVEAMYSVASQCLHEKK  
NKRPDIKKVQQLQEMTAS

15

### **SEQ ID NO:2**

human IRAK-4 cDNA sequence

ATGAACAAACCCATAACACCATCAACATATGTGCGCTGCCTCAATGTTGGACT  
20 AATTAGGAAGCTGTCAGATTTTATTGATCCTCAAGAAGGATGGAAGAAGTTA  
GCTGTAGCTATTAAAAAACCATCTGGTGATGATAGATACAATCAGTTTCACAT  
AAGGAGATTTGAAGCATTACTTCAAACCTGGAAAAAGTCCCACTTCTGAATTA  
CTGTTTGACTGGGGCACCACAAATTGCACAGCTGGTGATCTTGTGGATCTTTT  
GATCCAAAATGAATTTTTTGTCTCCTGCGAGTCTTTTGCTCCCAGATGCTGTTCC  
25 CAAAACCTGCTAATACTACCTTCTAAAGAAGCTATAACAGTTCAGCAAAAA  
CAGATGCCTTTCTGTGACAAAGACAGGACATTGATGACACCTGTGCAGAATC  
TTGAACAAAGCTATATGCCACCTGACTCCTCAAGTCCAGAAAATAAAAGTTT  
AGAAGTTAGTGATACACGTTTTTACAGTTTTTTCATTTTATGAATTGAAGAATG  
TCACAAATAACTTTGATGAACGACCCATTTCTGTTGGTGGTAATAAAATGGGA  
30 GAGGGAGGATTTGGAGTTGTATATAAAGGCTACGTAAATAACACAACTGTGG  
CAGTGAAGAAGCTTGCAGCAATGGTTGACATTACTACTGAAGAAGTGAACA  
GCAGTTTGATCAAGAAATAAAAGTAATGGCAAAGTGTCAACATGAAAACCTTA  
GTAGAACTACTTGGTTTCTCAAGTGATGGAGATGACCTCTGCTTAGTATATGT  
TTACATGCCTAATGGTTCATTGCTAGACAGACTCTCTTGCTTGGATGGTACTC

CACCACTTTCTTGGCACATGAGATGCAAGATTGCTCAGGGTGCAGCTAATGGC  
 ATCAATTTTCTACATGAAAATCATCATATTCATAGAGATATTAAGTGCAA  
 TATCTTACTGGATGAAGCTTTTACTGCTAAAATATCTGACTTTGGCCTTGCAC  
 GGGCTTCTGAGAAGTTTGCCAGACAGTCATGACTAGCAGAATTGTGGGAAC  
 5 AACAGCTTATATGGCACCAGAAGCTTTGCGTGGAGAAATAACACCCAAATCT  
 GATATTTACAGCTTTGGTGTGGTTTTACTAGAAATAATAACTGGACTTCCAGC  
 TGTGGATGAACACCGTGAACCTCAGTTATTGCTAGATATTAAGAAGAAATT  
 GAAGATGAAGAAAAGACAATTGAAGATTATATTGATAAAAAGATGAATGAT  
 GCTGATTCCACTTCAGTTGAAGCTATGTACTCTGTTGCTAGTCAATGTCTGCAT  
 10 GAAAAGAAAAATAAGAGACCAGACATTAAGAAGGTTCAACAGCTGCTGCAA  
 GAGATGACAGCTTCTTAA

#### **SEQ ID NO:3**

15 murine IRAK-4 amino acid sequence

MNKPLTPSTYIRNLNVGILRKLSDFIDPQEGWKKLAVAIAKKPSGDDRYNQFHRRF  
 EALLQTGKSPTCELLFDWGTTNCTVGDLDLLVQIELFAPATLLLPDAVPQTVKS  
 LPPREAATVAQTHGPCQEKDRTSVMPMPKLEHSCEPPDSSSPDNRSVESSDTRFH  
 20 SFSFHELKSITNNFDEQPASAGGNRMGEGGFVYKGCVNNTIVAVKKLGAMVE  
 ISTEELKQQFDQEIKVMATCQHENLVELLGFSSDSNLCVYAYMPNGSLLDRLS  
 CLDGTPPLSWHTRCKVAQGTANGIRFLHENHHIHRDIKSANILLDKDFTAKISDFG  
 LARASARLAQTVMTSRIVGTTAYMAPEALRGEITPKSDIYSFGVVLLELITGLAAV  
 DENREPQLLLDIKEEIEDEEKTIEDYTDEKMSDADPASVEAMYSAAQCLHEKKN  
 25 RRPDIKVQQLQEMSA

#### **SEQ ID NO:4**

mouse IRAK-4 cDNA sequence

30 GCGGCCGCGTCGACATGCCCCGGTGACCCGCAGCATCCCGATCGCAGGCAGT  
 CTGAAGTCGCCTGGTGGTCCTGCGTCCTCCACCCCCGAGTCCTCGCCGGACGT  
 GGCGGGACGCCGATCGCCTTGTCAGGAAGCGAGGGACGTCCGAGAGGAAG  
 TAGAAGATGAACAAGCCGTTGACACCATCGACATACATACGCAACCTTAATG  
 TGGGGATCCTTAGGAAGCTGTCGGATTTTATTGATCCTCAAGAAGGGTGAA

GAAATTAGCAGTAGCTATCAAAAAGCCGTCCGGCGACGACAGATACAATCAG  
 TTCCATATAAGGAGATTCTGAAGCCTTACTTCAGACCGGGAAGAGCCCCACCT  
 GTGAACTGCTGTTTGACTGGGGCACCACGAACTGCACAGTTGGCGACCTTGTG  
 GATCTACTGGTCCAGATTGAGCTGTTTGCCCCGCCACTCTCCTGCTGCCGGA  
 5 TGCCGTTCCCCAAACCGTCAAAAGCCTGCCTCCTAGAGAAGCGGCAACAGTG  
 GCACAAACACACGGGCCTTGTGAGGAAAAGGACAGGACATCCGTAATGCCTA  
 TGCCGAAGCTAGAACACAGCTGCGAGCCACCGGACTCCTCAAGCCCAGACAA  
 CAGAAGTGTAGAGTCCAGCGACACTCGGTTCCACAGCTTCTCGTTCCATGAAC  
 TGAAGAGCATCACAAACAACCTTCGACGAGCAACCCGCGTCTGCCGGTGGCAA  
 10 CCGGATGGGAGAGGGGGGATTGAGAGTGGTGTACAAGGGCTGTGTGAACAAC  
 ACCATCGTGGCGGTGAAGAAGCTCGGAGCGATGGTTGAAATCAGTACTGAAG  
 AACTAAAGCAACAGTTTGATCAAGAAATTAAAGTAATGGCAACGTGTCAGCA  
 CGAGAACCTGGTGGAGCTGCTCGGCTTCTCCAGCGACAGCGACAACCTGTGC  
 TTAGTGTATGCTTACATGCCCAACGGGTCCTTGCTGGACAGACTGTCCTGCCT  
 15 GGATGGTACACCACCGCTTTCCTGGCACACAAGGTGCAAGGTTGCTCAGGGG  
 ACAGCAAATGGCATCAGGTTTCTGCATGAAAATCATCACATTCATAGAGATA  
 TTAAGAGTGCAAATATCTTACTAGACAAAGACTTTACTGCCAAAATATCTGAC  
 TTTGGGCTTGACGCGGCTTCGGCAAGGCTAGCGCAGACGGTCATGACCAGCC  
 GAATCGTGGGCACAACGGCTTACATGGCACCCGAAGCTTTGCGGGGAGAAAT  
 20 AACACCCAAATCTGACATCTACAGCTTCGGCGTGGTTCTGTTGGAGCTGATAA  
 CCGGGCTGGCGGCTGTGGATGAAAACCGTGAACCTCAACTACTGCTGGATAT  
 TAAAGAAGAGATTGAAGATGAAGAGAAGACGATTGAAGATTACACGGATGA  
 GAAGATGAGCGATGCGGACCCTGCTTCGGTGAAGCAATGTACTCTGCTGCT  
 AGCCAGTGTCTGCATGAGAAGAAAAACAGACGGCCAGACATTGCAAAGGTTC  
 25 AACAGCTGCTACAAGAGATGTCTGCTTAA

**SEQ ID NO:5**

Sense primer for amplification of human IRAK-4

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ATGAACAAACCCATAACACCATCAACATATGTGC

**SEQ ID NO:6**

Antisense primer for amplification of human IRAK-4

TTAAGAAGCTGTCATCTCTTGCAGC